

GenCore version 5.1.6  
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: June 24, 2005, 08:28:03 ; Search time 156 Seconds  
(without alignments)  
1132.807 Million cell updates/sec

Title: US-09-541-462B-2

Perfect score: 616

Sequence: 1 MAAAMDVDFPSTNSGAGK.....KTRQVCPLDNREWFQKYGH 108

Scoring table: BLOSUM62

Xgapop 10.0, Xgapext 0.5  
Ygapop 10.0, Ygapext 0.5  
Fgapop 6.0, Fgapext 7.0  
Delop 6.0, Delext 7.0

Searched: 1202784 seqs, 81813359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Command line parameters:

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-Q=/cgn2\_1/USPTO spo01/US09541462/runat 23062005 122624 9498/app query.fasta\_1.263  
-DB=Issued Patents NA -OPMT=fastap -SUPFLX=rmi -MINMATCH=0.1 -LOOPCL=0  
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi  
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-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6  
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:  
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4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq:\*  
5: /cgn2\_6/ptodata/1/ina/PTUS\_COMB.seq:\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	616	100.0	482	US-09-513-999C-3894	Sequence 3894, Ap
2	616	100.0	507	US-09-949-016-4940	Sequence 4940, Ap
3	501.5	81.4	3208	US-09-780-016-27	Sequence 27, Appl
4	501.5	81.4	3208	US-10-214-811-27	Sequence 27, Appl
5	479	77.8	411	US-09-640-211A-1731	Sequence 1731, Ap
6	400.5	65.0	490	US-09-270-767-26812	Sequence 26812, A
7	400.5	65.0	1101	US-09-270-767-11265	Sequence 11265, A
8	394	64.0	402	US-09-513-999C-10371	Sequence 10371, A
9	394	64.0	463	US-09-621-976-15180	Sequence 15180, A
10	375.5	61.0	357	US-09-248-796A-5495	Sequence 5495, Ap
11	287	46.6	342	US-09-828-312A-7	Sequence 7, Appl
12	287	46.6	342	US-09-542-497A-7	Sequence 7, Appl

13	262.5	42.6	301	4	US-09-313-294A-492	Sequence 492, App
14	217	35.2	648	4	US-09-599-360B-27	Sequence 27, Appl
15	200.5	32.5	534	4	US-09-621-976-1817	Sequence 1817, Ap
16	198	32.1	671	4	US-09-621-976-1854	Sequence 1854, Ap
17	197.5	32.1	539	4	US-09-621-976-2051	Sequence 2051, Ap
18	191	31.0	654	4	US-09-621-976-1945	Sequence 1945, Ap
19	175	28.4	25274	4	US-09-949-016-16882	Sequence 16882, A
20	173	28.1	585	4	US-09-270-767-10788	Sequence 10788, A
21	150.5	24.4	439	4	US-09-770-451-296	Sequence 296, App
22	146	23.7	170	4	US-09-270-767-26253	Sequence 26253, A
23	91	14.8	940	4	US-09-023-655-667	Sequence 667, App
24	91	14.8	1839	4	US-09-828-303-10	Sequence 10, Appl
25	90	14.6	872	4	US-09-774-528-304	Sequence 304, App
26	90	14.6	893	4	US-09-949-016-4980	Sequence 4980, App
27	90	14.6	1690	4	US-09-828-303-2	Sequence 2, Appli
28	90	14.6	3140	4	US-09-774-528-255	Sequence 255, App
29	90	14.6	8438	1	US-07-945-283-1	Sequence 1, Appli
30	88	14.3	1183	4	US-09-799-451-763	Sequence 763, App
31	86	14.0	363	4	US-09-640-211A-1319	Sequence 1319, Ap
32	86	14.0	1267	4	US-09-949-016-378	Sequence 378, App
33	86	14.0	1267	4	US-09-949-016-378	Sequence 378, App
34	85.5	13.9	3304	4	US-09-799-451-220	Sequence 220, App
35	85	13.8	1621	4	US-09-023-655-20	Sequence 20, Appl
36	85	13.8	1995	4	US-09-949-016-3134	Sequence 3134, Ap
37	85	13.8	2339	3	US-09-268-140-11	Sequence 11, Appl
38	85	13.8	2505	3	US-09-268-140-1	Sequence 1, Appli
39	85	13.8	2517	3	US-09-268-140-7	Sequence 7, Appli
40	85	13.8	16573	4	US-09-949-016-14876	Sequence 14876, A
41	84	13.6	3260	4	US-09-270-767-10326	Sequence 10326, A
42	83.5	13.6	624	4	US-09-270-767-963	Sequence 963, App
43	83.5	13.6	624	4	US-09-270-767-16245	Sequence 16245, A
44	83	13.5	315	3	US-09-325-932A-4	Sequence 4, Appli
45	81.5	13.2	4259	2	US-08-816-155B-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1  
US-09-513-999C-3894  
Sequence 3894, Application US/09513999C  
Patent No. 6783961  
GENERAL INFORMATION:  
APPLICANT: Dumas Milne Edwards, J.B.  
APPLICANT: Duclert, A.  
APPLICANT: Giordano, J.Y.  
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.  
FILE REFERENCE: 59.US2.REG  
CURRENT APPLICATION NUMBER: US/09/513.999C  
CURRENT FILING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: US 60/122,487  
PRIOR FILING DATE: 1999-02-26  
NUMBER OF SEQ ID NOS: 36681  
SOFTWARE: Patent.pm  
SEQ ID NO 3894  
LENGTH: 482  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 29..352  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: 401  
OTHER INFORMATION: r-a or g  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: 404  
OTHER INFORMATION: m-a or c  
US-09-513-999C-3894

Alignment Scores: 1.7e-69 Length: 482  
Pred. No.: 1.7e-69



GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: June 24, 2005, 04:39:48 ; Search time 129 Seconds  
(without alignments)  
4147.771 Million cell updates/sec

Title: US-09-541-462B-1  
Perfect score: 327  
Sequence: 1 atggcgcagcagtgatgt.....tccaaagatggcactag 327

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents NA.\*  
1: /cgm2\_6/ptodata/1/ina/5A\_COMB.seq:\*  
2: /cgm2\_6/ptodata/1/ina/5B\_COMB.seq:\*  
3: /cgm2\_6/ptodata/1/ina/6A\_COMB.seq:\*  
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5: /cgm2\_6/ptodata/1/ina/PTUS\_COMB.seq:\*  
6: /cgm2\_6/ptodata/1/ina/backfiles.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	327	100.0	482	US-09-513-999C-3894	Sequence 3894, Ap
2	327	100.0	507	US-09-949-016-4940	Sequence 4940, Ap
3	253.6	77.6	3208	US-09-780-016-27	Sequence 27, Appl
4	253.6	77.6	3208	US-10-214-811-27	Sequence 27, Appl
5	170	52.0	402	US-09-513-999C-10371	Sequence 10371, A
6	170	52.0	463	US-09-621-976-15180	Sequence 15180, A
7	153.2	45.9	411	US-09-640-211A-1731	Sequence 1731, Ap
8	138.2	42.3	490	US-09-270-767-26812	Sequence 26812, A
9	138.2	42.3	1101	US-09-270-767-11265	Sequence 11265, A
10	114.4	35.0	357	US-09-248-796A-5495	Sequence 5495, Ap
11	92.6	28.3	25274	US-09-949-016-16682	Sequence 16682, A
12	90	27.5	301	US-09-313-294A-492	Sequence 492, App
13	74	22.6	342	US-09-826-312A-7	Sequence 7, Appl
14	74	22.6	342	US-09-543-497A-7	Sequence 7, Appl
15	46.4	14.2	439	US-09-799-451-296	Sequence 296, App
16	36	11.0	601	US-09-949-016-17521	Sequence 174803, A
17	33.6	10.3	87734	US-09-949-016-17521	Sequence 17521, A
18	33.4	10.2	170	US-09-270-767-26253	Sequence 26253, A
19	33.4	10.2	585	US-09-270-767-10788	Sequence 10788, A
20	33	10.1	601	US-09-949-016-120325	Sequence 120325, A
21	33	10.1	219964	US-09-949-016-15086	Sequence 15086, A
22	32.6	10.0	96845	US-09-949-016-13658	Sequence 13658, A
23	31	9.5	2408	US-08-608-241-1	Sequence 1, Appli
24	31	9.5	2408	US-08-922-182-1	Sequence 1, Appli
25	31	9.5	2408	US-08-919-953-1	Sequence 1, Appli
26	31	9.5	2408	US-09-192-983-1	Sequence 1, Appli
27	30.4	9.3	119762	US-09-949-016-17313	Sequence 17313, A

28	30	9.2	534	4	US-09-621-976-1817	Sequence 1817, Ap
29	30	9.2	648	4	US-09-599-360B-27	Sequence 27, Appl
30	30	9.2	654	4	US-09-621-976-1945	Sequence 1945, Ap
31	30	9.2	671	4	US-09-621-976-1854	Sequence 1854, Ap
32	30	9.2	275110	4	US-09-949-016-12706	Sequence 12706, A
33	30	9.2	275110	4	US-09-949-016-16070	Sequence 16070, A
34	29.8	9.1	1182	4	US-09-248-796A-5505	Sequence 5505, Ap
35	29.6	9.1	632	4	US-09-868-552-28	Sequence 28, Appl
36	29.4	9.0	763	4	US-09-270-767-4142	Sequence 4142, Ap
37	29.4	9.0	763	4	US-09-270-767-19424	Sequence 19424, A
38	29.4	9.0	900	4	US-09-603-208A-73	Sequence 73, Appl
39	29.4	9.0	38954	4	US-09-949-016-12292	Sequence 12292, A
40	29.2	8.9	708	4	US-09-489-039A-6887	Sequence 6887, Ap
41	29.2	8.9	1314	4	US-09-543-681A-3245	Sequence 3245, Ap
42	29.2	8.9	2951	1	US-08-386-727-7	Sequence 7, Appli
43	29.2	8.9	2951	2	US-08-600-452A-7	Sequence 7, Appli
44	29.2	8.9	228896	4	US-09-949-016-17127	Sequence 17127, A
45	29	8.9	399	4	US-09-621-976-8976	Sequence 8976, Ap

ALIGNMENTS

RESULT 1  
US-09-513-999C-3894  
; Sequence 3894, Application US/09513999C  
; Patent No. 6783961  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Milne Edwards, J.B.  
; APPLICANT: Duclert, A.  
; APPLICANT: Giordano, J.Y.  
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.  
; FILE REFERENCE: 59, US2, REG  
; CURRENT APPLICATION NUMBER: US/09/513,999C  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR FILING DATE: 1999-02-26  
; NUMBER OF SEQ ID NOS: 36681  
; SOFTWARE: Patent.pm  
; SEQ ID NO 3894  
; LENGTH: 482  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 29...352  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 401  
; OTHER INFORMATION: r=a or g  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 404  
; OTHER INFORMATION: m=a or c  
US-09-513-999C-3894

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Qy	121	AACGTGCGCATCTGCAGAACCAACATTTGATTTGATAGATGTCAGCTAACCG	180
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/   ORGANISM: homo sapiens
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;; CURRENT FILING DATE: 2000-04-03  
;; NUMBER OF SEQ ID NOS: 13  
;; SOFTWARE: PatentIn version 3.1  
;; SEQ ID NO 6  
;; LENGTH: 108  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-09-542-497A-6

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QY 61 ASATSECTVAVGVCNHAHFHFCISRWLKTRQVCPDLNREWEFOKYGH 108  
DB 61 ASATSECTVAVGVCNHAHFHFCISRWLKTRQVCPDLNREWEFOKYGH 108

RESULT 3  
US-09-513-999C-7971  
;; Sequence 7971, Application US/09513999C  
;; Patent No. 6783961  
;; GENERAL INFORMATION:  
;; APPLICANT: Dumas Milne Edwards, J.B.  
;; APPLICANT: Duclert, A.  
;; APPLICANT: Giordano, J.Y.  
;; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.  
;; FILE REFERENCE: 59.US2.REG  
;; CURRENT APPLICATION NUMBER: US/09/513,999C  
;; CURRENT FILING DATE: 2000-02-24  
;; PRIOR APPLICATION NUMBER: US 60/122,487  
;; PRIOR FILING DATE: 1999-02-26  
;; NUMBER OF SEQ ID NOS: 36681  
;; SOFTWARE: Patent.pm  
;; SEQ ID NO 7971  
;; LENGTH: 108  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-09-513-999C-7971

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Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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DB 1 MAAAMDVTPSGTNSGAGKGFVKKNNAVALWAWDIVVNDCAICRNHMDLCIECOANQ 60  
QY 61 ASATSECTVAVGVCNHAHFHFCISRWLKTRQVCPDLNREWEFOKYGH 108  
DB 61 ASATSECTVAVGVCNHAHFHFCISRWLKTRQVCPDLNREWEFOKYGH 108

RESULT 4  
US-09-949-016-10811  
;; Sequence 10811, Application US/09949016  
;; Patent No. 6812339  
;; GENERAL INFORMATION:  
;; APPLICANT: VENTER, J. Craig et al.  
;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
;; FILE REFERENCE: CU001307  
;; CURRENT APPLICATION NUMBER: US/09/949,016  
;; CURRENT FILING DATE: 2000-04-14  
;; PRIOR APPLICATION NUMBER: 60/241,755  
;; PRIOR FILING DATE: 2000-10-20  
;; PRIOR APPLICATION NUMBER: 60/237,768  
;; PRIOR FILING DATE: 2000-10-03

;; PRIOR APPLICATION NUMBER: 60/231,498  
;; PRIOR FILING DATE: 2000-09-08  
;; NUMBER OF SEQ ID NOS: 207012  
;; SOFTWARE: FastSeq for Windows Version 4.0  
;; SEQ ID NO 10811  
;; LENGTH: 110  
;; TYPE: PRT  
;; ORGANISM: Human  
US-09-949-016-10811

Query Match 100.0%; Score 616; DB 4; Length 110;  
Best Local Similarity 100.0%; Pred. No. 4.8e-60;  
Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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DB 3 MAAAMDVTPSGTNSGAGKGFVKKNNAVALWAWDIVVNDCAICRNHMDLCIECOANQ 62  
QY 61 ASATSECTVAVGVCNHAHFHFCISRWLKTRQVCPDLNREWEFOKYGH 108  
DB 63 ASATSECTVAVGVCNHAHFHFCISRWLKTRQVCPDLNREWEFOKYGH 110

RESULT 5  
US-09-248-796A-19598  
;; Sequence 19598, Application US/09248796A  
;; Patent No. 6747137  
;; GENERAL INFORMATION:  
;; APPLICANT: Keith Weinstock et al  
;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS  
;; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS  
;; FILE REFERENCE: 107196.132  
;; CURRENT APPLICATION NUMBER: US/09/248,796A  
;; CURRENT FILING DATE: 1999-02-12  
;; PRIOR APPLICATION NUMBER: US 60/074,725  
;; PRIOR FILING DATE: 1998-02-23  
;; PRIOR APPLICATION NUMBER: US 60/096,409  
;; PRIOR FILING DATE: 1998-08-13  
;; NUMBER OF SEQ ID NOS: 28208  
;; SEQ ID NO 19598  
;; LENGTH: 118  
;; TYPE: PRT  
;; ORGANISM: Candida albicans  
US-09-248-796A-19598

Query Match 61.0%; Score 375.5; DB 4; Length 118;  
Best Local Similarity 61.4%; Pred. No. 1.1e-33;  
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QY 9 TPGTNSGAGKGFVKKNNAVALWAWDIVVNDCAICRNHMDLCIECOAN-QASATSEE 67  
DB 18 TTEPTSKFPKPRFEVKKWTAVAFWSWDMQIENCAICRNHLMPEICQPNAMNIPSEE 77  
QY 68 CTAVGVCNHAHFHFCISRWLKTRQVCPDLNREWEFOKYGH 108  
DB 78 CIPAVGVCNHAHFHFCISRWLKTRQVCPDLNREWEFOKYGH 118

RESULT 6  
US-09-826-312A-8  
;; Sequence 8, Application US/09826312A  
;; Patent No. 6737244  
;; GENERAL INFORMATION:  
;; APPLICANT: Issakani, Sarkiz D.  
;; APPLICANT: Huang, Jianing  
;; APPLICANT: Sheung, Julie  
;; APPLICANT: Pray, Todd R.  
;; TITLE OF INVENTION: Ubiquitin Ligase Assay  
;; FILE REFERENCE: 021044-007010US  
;; CURRENT APPLICATION NUMBER: US/09/826,312A  
;; CURRENT FILING DATE: 2001-04-03  
;; PRIOR APPLICATION NUMBER: US 09/542,497

Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 Db 1 MAAAMDVTPSGTSGAGKGFVKKNNAVALWMDIVVDNCAICRNHIMDLCECOANQ 60  
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 Db 61 ASATSECTVANGVCNHNAPHFHCISRWLKTRQVCPDLNREWEFQKYGH 108

RESULT 6  
 US-09-914-324A-1  
 ; Sequence 1, Application US/09914324A  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Conaway, Joan A.  
 ; APPLICANT: Conaway, Ronald C.  
 ; APPLICANT: Kamura, Takumi  
 ; APPLICANT: Oklahoma Medical Research Foundation  
 ; TITLE OF INVENTION: Novel Component of von Hippel-Lindau Tumor Suppressor  
 ; TITLE OF INVENTION: Complex and SCF Ubiquitin Ligase  
 ; FILE REFERENCE: 021044-004600US  
 ; CURRENT APPLICATION NUMBER: US/09/914,324A  
 ; CURRENT FILING DATE: 2003-02-11  
 ; PRIOR APPLICATION NUMBER: US 60/121,787  
 ; PRIOR FILING DATE: 1999-02-26  
 ; PRIOR APPLICATION NUMBER: WO PCT/US00/04838  
 ; PRIOR FILING DATE: 2000-02-25  
 ; NUMBER OF SEQ ID NOS: 12  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 1  
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 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; FEATURES:  
 ; OTHER INFORMATION: human ring box protein 1 (Rbx1)  
 US-09-914-324A-1

Query Match 100.0%; Score 616; DB 24; Length 108;  
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 Db 61 ASATSECTVANGVCNHNAPHFHCISRWLKTRQVCPDLNREWEFQKYGH 108

RESULT 7  
 US-10-108-767-6  
 ; Sequence 6, Application US/10108767  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Iesakani, Sarkiz D.  
 ; APPLICANT: Huang, Jianing  
 ; APPLICANT: Sheung, Julie  
 ; APPLICANT: Pray, Todd R.  
 ; TITLE OF INVENTION: ASSAYS FOR IDENTIFYING UBIQUITIN AGENTS AND FOR IDENTIFYING AGENT  
 ; TITLE OF INVENTION: MODIFY THE ACTIVITY OF UBIQUITIN AGENTS  
 ; FILE REFERENCE: A-68613-5/RMS/DCF  
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